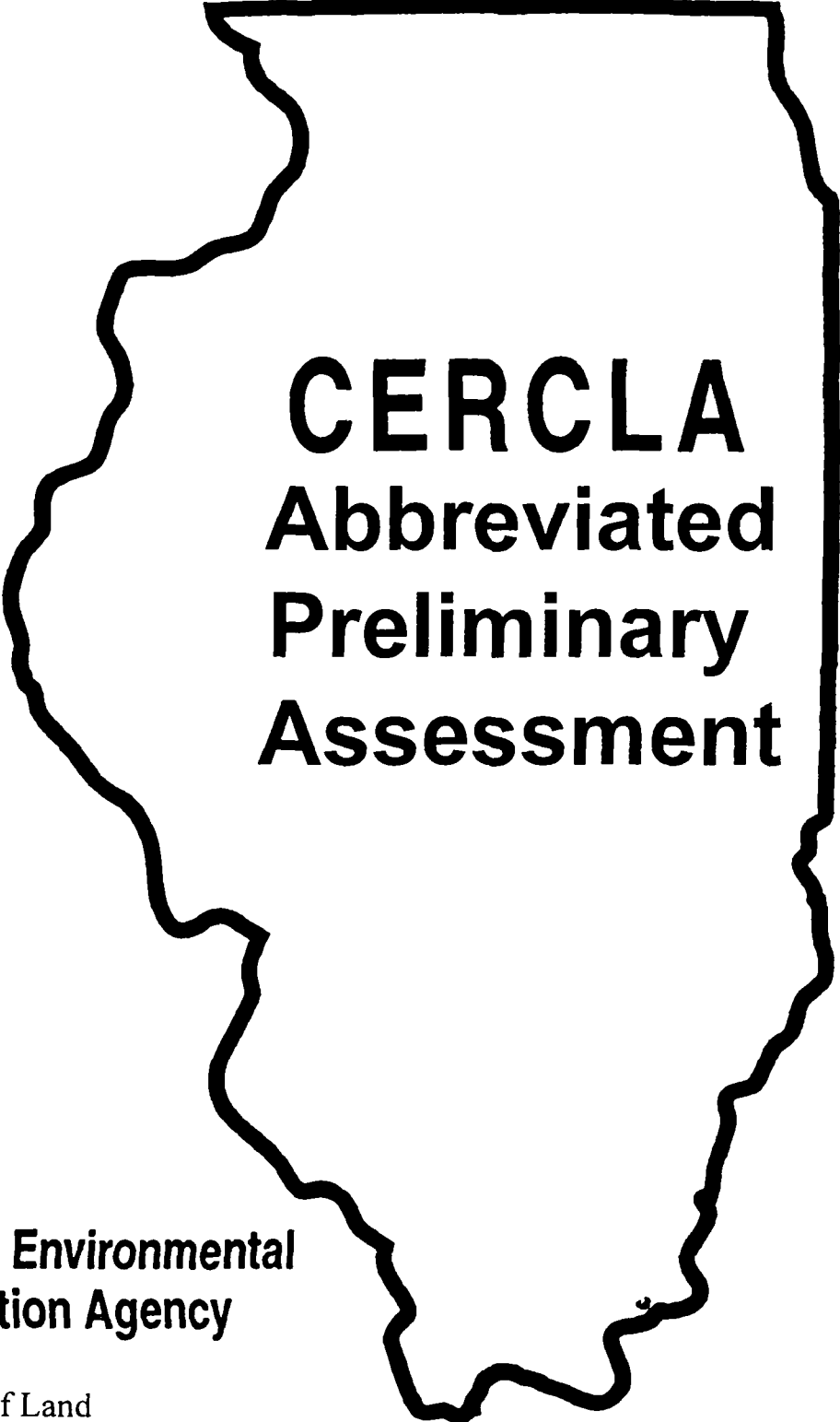


L0316003279 -- Cook Co.
Moschiano Plating Company
ILD062471081
SF/HRS

EPA Region 5 Records Ctr.



317208

A large, thick black outline of the state of Illinois, centered on the page. The text 'CERCLA Abbreviated Preliminary Assessment' is printed in large, bold, black capital letters within the outline.

CERCLA Abbreviated Preliminary Assessment



**Illinois Environmental
Protection Agency**

Bureau of Land
Federal Sites Remediation Section
Site Assessment Unit

**ABBREVIATED
PRELIMINARY ASSESSMENT**

for:

**MOSCHIANO PLATING COMPANY
ILD #062471081
CHICAGO, ILLINOIS**

**PREPARED BY:
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
BUREAU OF LAND
DIVISION OF REMEDIATION MANAGEMENT
FEDERAL SITE REMEDIATION SECTION
SITE ASSESSMENT UNIT**

DECEMBER 2000

SITE SUMMARY AND RECOMMENDATION

SITE DESCRIPTION AND HISTORY

On September 26, 2000, Illinois EPA's Site Assessment Program was tasked by the United States Environmental Protection Agency (U.S. EPA) to conduct a Preliminary Assessment of the Moschiano Plating Company site located in Chicago, Cook County, Illinois.

On August 1, 1997 the Moschiano Plating Company site was placed onto the Comprehensive Environmental Response, Compensation, and Liability Information System (CERLCIS) in response to potential hazardous substance (liquid and solid plating waste) contamination at the electroplating operation located at 2808 West Lake Street in the City of Chicago and the potential for these hazardous substances to migrate off-site. The City of Chicago Department of Environment referred Moschiano to the U. S. EPA after a portion of the roof of the subject building collapsed breaking fire suppression system water lines. The city was concerned that flooding within the building would lead to off-site migration of hazardous substances. Initial sample information indicated that levels of solid and liquid cyanide and liquid chromium were sufficient enough within the building to warrant a removal action by U.S. EPA Region 5's Emergency Response Section. The removal action was conducted to eliminate the threat posed by the hazardous nature of the contaminants and the potential for deteriorating tanks, vats and drums containing said substances to fail.

Moschiano Plating Company is located in a low income-high minority neighborhood consisting of mixed light industrial companies, small businesses, and residential dwellings. Bordering the property to the north is residential areas, south by Lake Street, east by a residential structure owned by Holy Temple Church, and west by Mozart Street. The Chicago Transit Authority elevated train tracks are located directly above Lake Street with a boarding platform nearby. Several schools are located within 1/4 mile of the site.

Moschiano Plating Company was incorporated in 1972 and established operations at 2808 West Lake Street in 1979. Electroplating consisted of nickel, copper, brass, and chromium plating. Since 1989 the company has been cited for over fifty discharge violations documented by the Metropolitan Water Reclamation District of Greater Chicago. Violations included illegal discharges, spill prevention control and countermeasure plan violations, and effluent limits violations. The company was also fined by the Illinois Environmental Protection Agency (IEPA) for violations of air regulations. In April 1997 the owner of the plating company, Frank Moschiano, died, site operations ceased and have been inactive since that time.

Within the deteriorating building were abandoned plating solutions such as copper cyanide, brass cyanide, chromic acid, and acid and caustic baths. These substances were contained in seventy-five intact, but deteriorating, tanks with various capacities. In addition, approximately seventy-five 55-gallon drums and one hundred 5-gallon containers were present. These contained flammable, corrosive, and oxidizer chemicals. The containers were also found to be in various states of deterioration. Trespassing was noted to have occurred and the building had been vandalized thereby allowing direct contact to the hazardous substances.

Due to the hazardous characteristics of the abandoned plating wastes a substantial threat to public health, welfare and the environment existed at the site. On August 13, 1997, U.S. EPA and support personnel mobilized at the site in order to secure it and temporarily repair and cover the roof area, which had collapsed. A time critical removal began on October 13, 1997. The removal was completed on November 7, 1997. During that time frame the collection of additional data, and removal of contaminated materials from within the building was completed. Subsequent demolition of the building itself was completed by the City of Chicago during the week of November 24, 1997. All that remains is the concrete foundation. The following information summarizes remedial activities:

- Completion of identification and segregation of tanks, vessels and drums.
- Characterization of samples collected from tanks, vessels and drums.
- Hazardous and non-hazardous debris removed and disposed off-site.
- Solid and liquid hazardous material removed and disposed off-site.
- Plating tanks and vessels disassembled, removed and disposed off-site.
- Drummed wastes removed and disposed off-site.
- Floors and walls of building were cleaned, wastewater collected, removed and disposed off-site.
- Building demolished by City of Chicago, debris removed and disposed off-site. Concrete floor slab remains.

U. S. EPA had planned to collect soil samples from beneath the remaining concrete floor slab to determine if soil contamination existed, however, upon evaluation the floor was found to be in relatively good condition and acts as a cover for any potentially contaminated soil. U. S. EPA feels that an immediate threat does not exist.

CURRENT SITE CONDITIONS/ACTIVITIES

The risk to the surrounding environments appears to be minimal due to the fact that the area of concern was confined within the building. Throughout the removal process, chainlink fence and 24-hour security guards restricted access to the property. Air monitoring was conducted in order to minimize exposure to the surrounding area. The removal action eliminated the source of plating solutions and liquid and solid plating waste contamination from the site. Since the contamination source has been eliminated,

it is also unlikely that this site has adversely impacted the soil exposure or groundwater and surface water pathways.

RECOMMENDATION

At this time it appears that the Moschiano Plating Company site located in the City of Chicago, Illinois does not pose a threat to human health and the environment. The U.S. EPA Region 5 Emergency Removal Program has addressed the immediate threat posed by the former plating operation and surrounding areas. By removing the contaminated material from the property, the threat to all exposure pathways has been eliminated. It is recommended that this site receive a no further action rating and be placed in the archived CERCLIS database. If, in the event, additional information becomes available, further site assessment activities may be warranted.

ABBREVIATED PRELIMINARY ASSESSMENT CHECKLIST

This checklist can be used to help the site investigator determine if an Abbreviated Preliminary Assessment (APA) is warranted. This checklist should document the rationale for the decision on whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: KENNETH W. CORKILL / EPS III 12-21-00
 (Name/Title) (Date)
1021 NORTH GRAND AVE. EAST, SPRINGFIELD, IL (217) 782-6761
 (Address) (Phone)
KEN.CORKILL@EPA.STATE.IL.US
 (E-Mail Address)

Site Name: MOSCHIANO PLATING COMPANY

Previous Names (if any): _____

Site Location: 2808 WEST LAKE STREET
 (Street)
CHICAGO, IL 60612 - 1908
 (City) (ST) (Zip)

Latitude: N 41° 53.057' Longitude: W 87° 41.807'

Describe the release (or potential release) and its probable nature: ABANDONED PLATING OPERATION, APPROX. 75-80 TANKS & VATS CONTAINING ASSORTED PLATING SOLUTIONS, APPROX. 75 DRUMS OF PLATING WASTES, TANKS, VATS, & DRUMS IN VARIOUS STAGES OF DETEIORATION. ROOF PARTIALLY COLLAPSED, BROKEN WATER LINE IN BUILDING CAUSED BY COLLAPSE. CONCERN THAT HAZARDOUS SUBSTANCES WOULD MIGRATE OFF-SITE DUE TO FLOODING IN BUILDING.

Part 1 - Superfund Eligibility Evaluation

If all answers are "no" go on to Part 2, otherwise proceed to Part 3.

	YES	NO
1. Is the site currently in CERCLIS or an "alias" of another site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Is the site being addressed by some other remedial program (Federal, State, or Tribal)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (e.g., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Are the hazardous substances potentially released at the site excluded by policy considerations (i.e., deferred to RCRA corrective action)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Is there sufficient documentation to demonstrate that no potential for a release that could cause adverse environmental or human health impacts exists (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, or an EPA approved risk assessment completed)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Please explain all "yes" answer(s). THE SITE IS LISTED IN CERCLIS AS MOSCHIANO PLATING COMPANY, ID062471081. THE SITE HAD A TIME CRITICAL REMOVAL ACTION TAKE PLACE FROM 10-13-97 THROUGH 11-7-97. ALL SOLUTIONS & WASTES WERE REMOVED & PROPERLY DISPOSED. THE BUILDING WAS ALSO RAZED & PROPERLY DISPOSED. CONCRETE FLOOR SLAB WAS LEFT, THIS WAS CLEANED PRIOR TO DEMOBILIZATION OF CONTRACTORS.

Part 2 - Initial Site Evaluation

For Part 2, if information is not available to make a “yes” or “no” response, further investigation may be needed. In these cases, determine whether an APA is appropriate. Exhibit 1 parallels the questions in Part 2. Use Exhibit 1 to make decisions in Part 3.

If the answer is “no” to any of questions 1, 2, or 3, proceed directly to Part 3.

If the answer is “no” to any of questions 1, 2, or 3, proceed directly to Part 3.	YES	NO
1. Does the site have a release or a potential to release?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Does the site have uncontained sources containing CERCLA eligible substances?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Does the site have documented on-site, adjacent, or nearby targets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

If the answers to questions 1, 2, and 3 above were all “yes” then answer the questions below before proceeding to Part 3.

If the answers to questions 1, 2, and 3 above were all "yes" then answer the questions below before proceeding to Part 3.		YES	NO
4.	Does documentation indicate that a target (e.g., drinking water wells, drinking surface water intakes, etc.) has been exposed to a hazardous substance released from the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.	Is there an apparent release at the site with no documentation of exposed targets, but there are targets on site or immediately adjacent to the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.	Is there an apparent release and no documented on-site targets or targets immediately adjacent to the site, but there are nearby targets (e.g., targets within 1 mile)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.	Is there no indication of a hazardous substance release, and there are uncontained sources containing CERCLA hazardous substances, but there is a potential to release with targets present on site or in proximity to the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Notes: _____

Part 3 - EPA Regional Review and Site Assessment Decision

Check the box(es) that apply.

- ☒ NFRAP/~~Archive~~
- ☐ APA
- ☐ Full PA
- ☐ Combined PA/SI
- ☐ SI
- ☐ Removal Action
- ☐ Other: _____

Lead Agency or Defer/Refer to:

- ☐ EPA Remedial Program
- ☒ Removal Program
- ☐ State/Tribal Program
- ☐ RCRA
- ☐ Brownfields
- ☐ Other Federal Agency: _____
- ☐ Other: _____

Regional EPA Reviewer:

J. CRIFFEIN J. Anger
Print Name/Signature

6/12/01
Date